Flash Boy Cyclone

User Manual/用户手册

Ver 3.1

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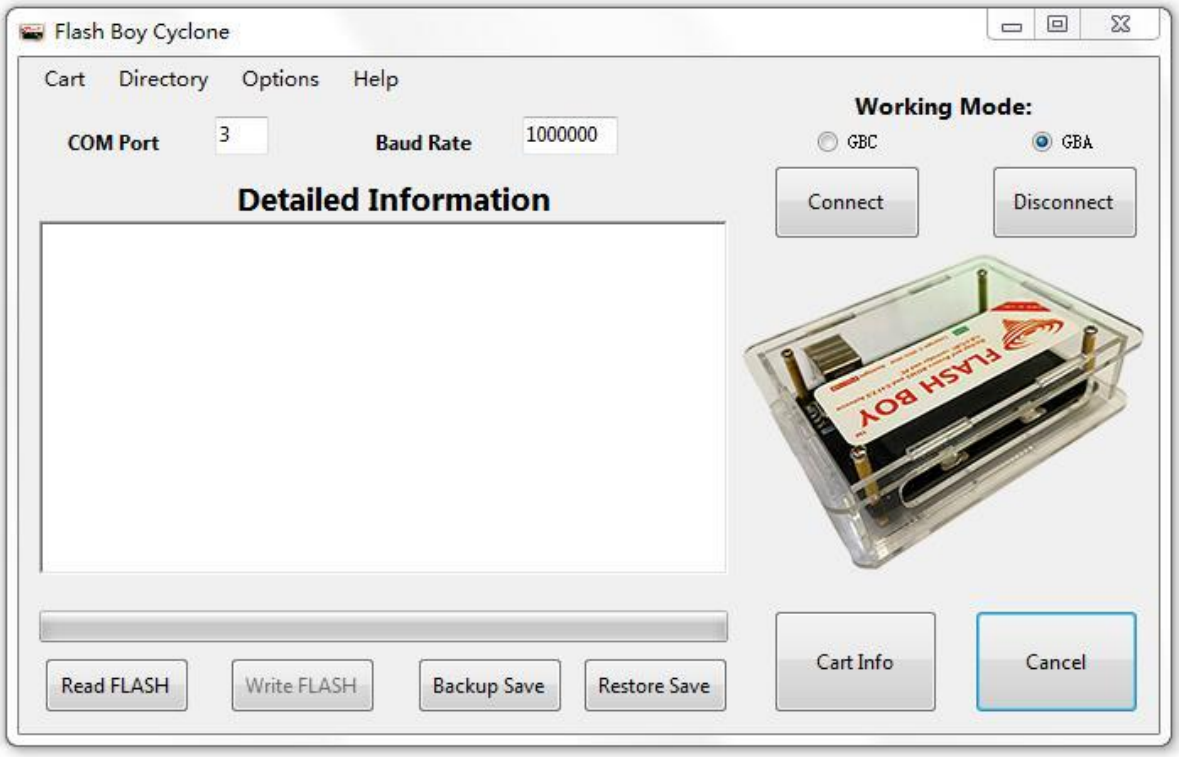
What's New of the Flash Boy™ Cyclone?

The Flash Boy™ series are sets of rewriteable devices designed for Nintendo Game Boy, and the Flash Boy™ Cyclone is the latest version of dumper. With this new device you could enjoy the following features：

1. **Dump ROMS and backup SAVS from both original GBA/GBC cartridges and most third-party GBA/GBC cartridges.**
2. **Extract images as *.bmp format from the Game Boy camera to PC.**
3. **Write GB/GBC ROMS to original Flash Boy cartridges and some similar MBC5 or FPGA based carts.**
4. **Write GBA ROMS to GBA Flash carts based on some kinds of supported Flash chip. .**

Flash Boy 3.1 Dumper

GUI Interface Program for Flash Boy Cyclone



Catalogue :

1. Basic operation before using.

2. Dump cart ROMS and Backup/Restore SAVES.

3. Extract imgaes from Game Boy Camera.

4. Write ROMS to Flash cart.

5. Troubleshooting.

1. Basic operation before using.

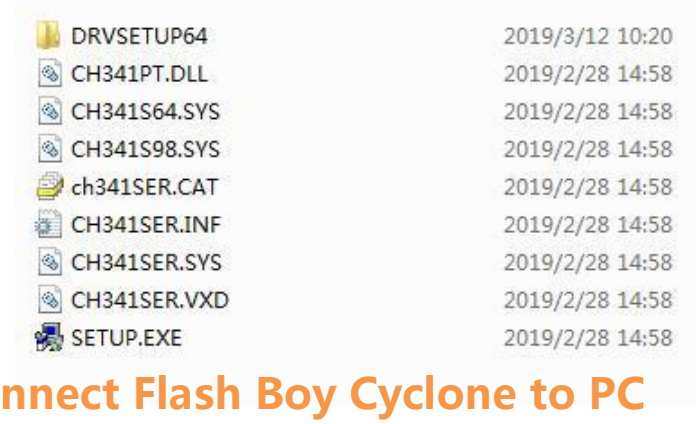
This device has a voltage switch on the right side of the motherbroad , which is used for "Working Mode" selection.

GBC Mode: when insert original **GBC cartridge** or **Flash boy cartridge** or **Game Boy Camera** ,please turn the Voltage switch to "**GBC Mode**" ,and the **Green LED would flash up.**

GBA Mode: when insert original **GBA cartridge** , please turn the Voltage switch to "**GBA Mode**" , and the **Blue LED would flash up.**

Step 1: Install CH340 driver

Download the ZIP package and unzip the file ,find "SETUP.EXE"in Drivers/ CH34x_Windows_v3_4/,then install the driver.

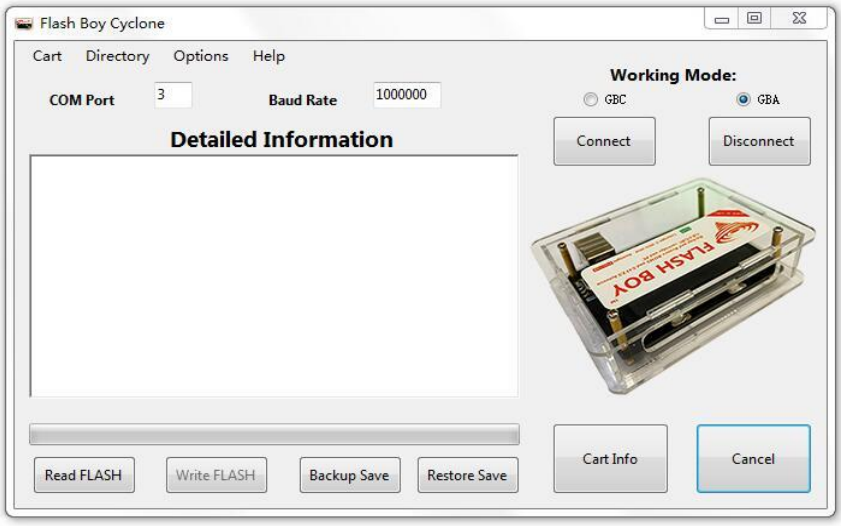


Step 2: Connect Flash Boy Cyclone to PC

Plug in the Flasher to PC and insert the cart to Flasher, make sure that

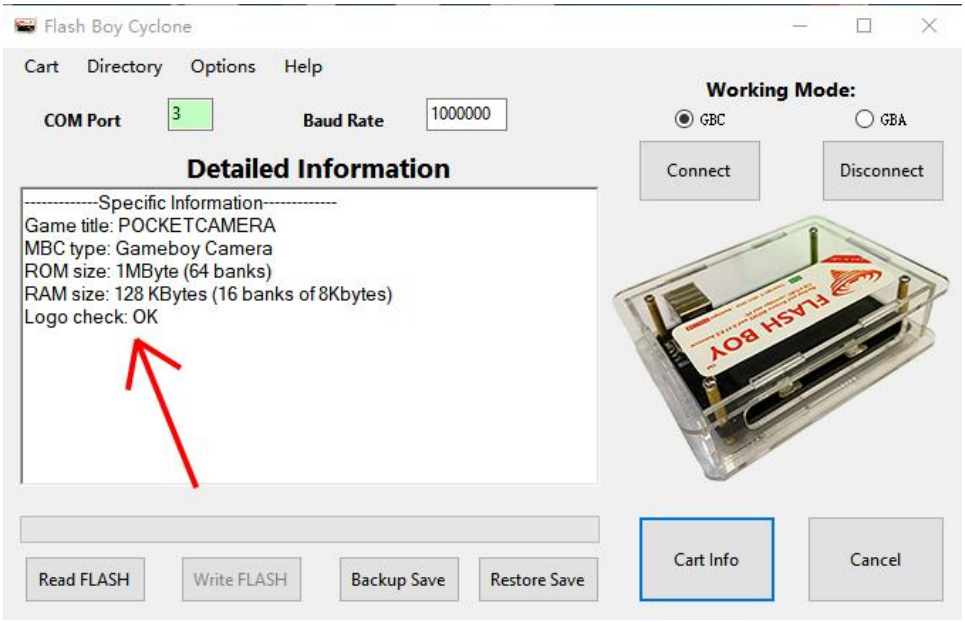
Mode switch is correctly settled，now all is well prepared.

2. Dump cart ROMS and Backup/Restore SAVES.



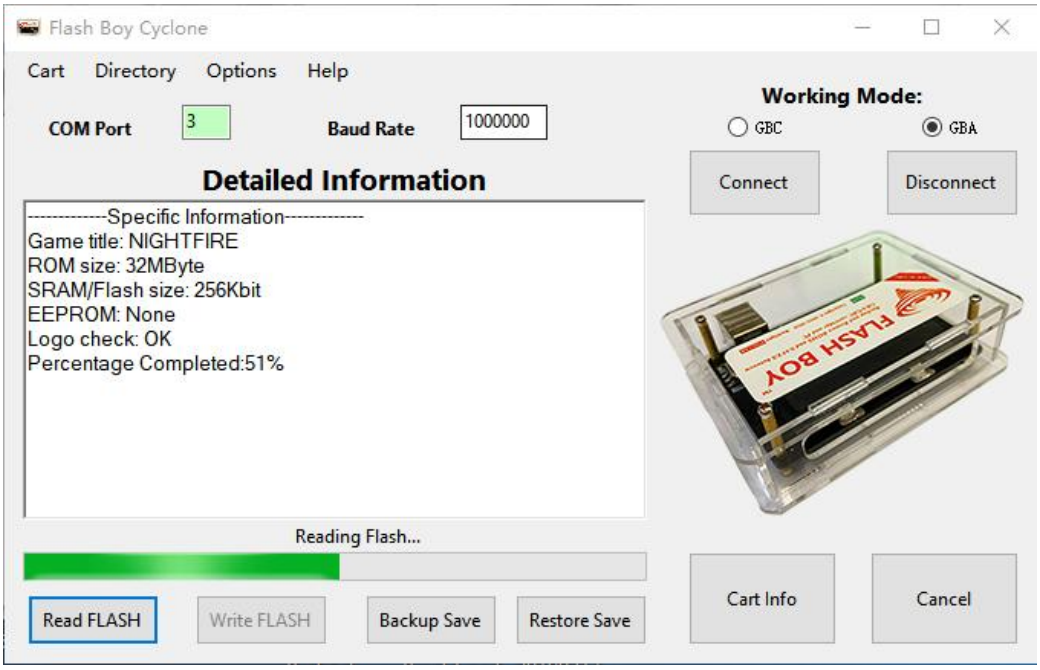
The GUI interface program is user-friendly and totally redesigned .Please follow these steps to Dump ROMS and Backup SAVES.

1. Click the "**Connect**" button on the program，Baud rate is pre-set to 1000000.



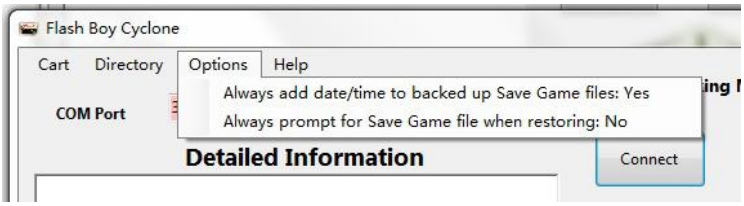
2. Click "**Cart Info**" Button to read the header of the cartridge，once the

specific information is correctly displayed in the window , ensure that "Logo check" is OK. If NOT , clean the connecting finger of cart and re-insert .



once the progress started , the ROM file would automatically be stored at the current folder and named with the Game title , watch out the progressbar and the status of "Percentage Completed" displayed in the window.

3. Click "Read Flash" or "Backup Save" , ROM files and save data will automatically be stored in the current folder.



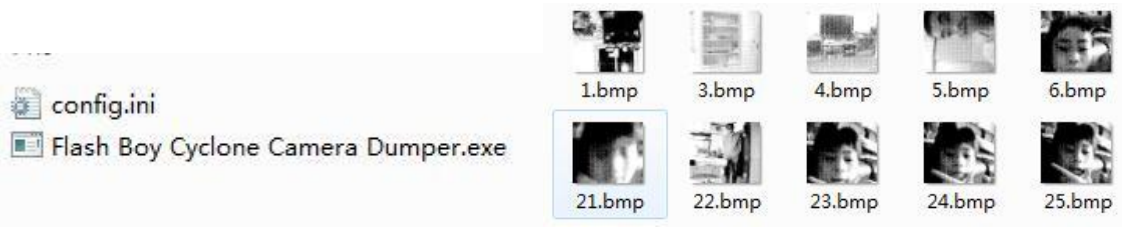
4.In the Options menu , you can change the settings for "add time to the files or not" , and "prompt for Save Game file or not" .

3. Extract images from Game Boy Camera to PC.

Support Game Boy camera

The Game Boy Camera is a pocket camera used on Game Boy，but it is unlucky that Nintendo did not add the function to transfer the images to PC.

With the Flash Boy Cyclone it is possible to dump the images as *.bmp format to PC with just one click operation.



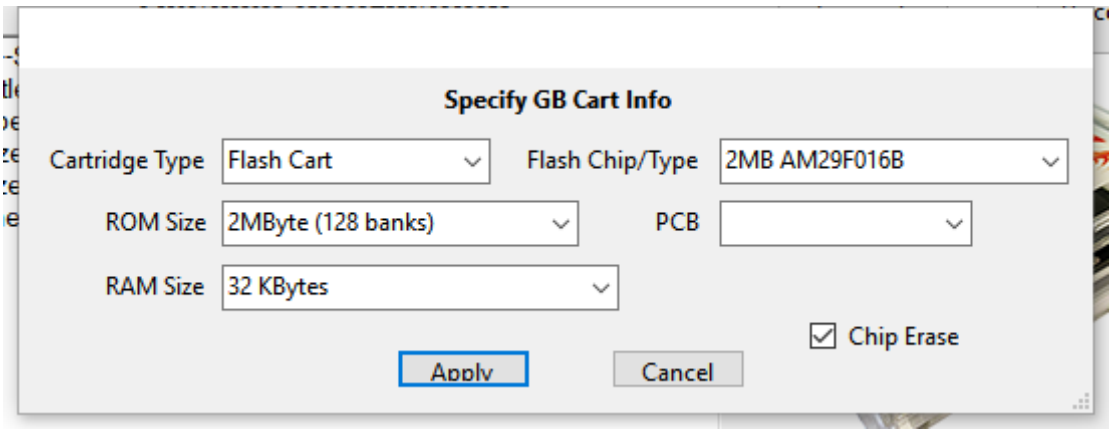
Step1：Plug in the Game Boy Camera and connect Flash Boy Cyclone to PC，ensure that Voltage is switched to GBC Mode.

Step2：Run the"Flash Boy Cyclone Camera Dumper.exe",images would be named with continuous number automatically("1.bmp",2.bmp,3.bmp"...) and backed up to the current folder.

4. Write ROMS to Flash cart.

Flash Boy Cyclone supports both Flash Boy GBC cartridge and some types of GBA Flash carts.With the entirely new designed firmware and GUI interface program，the speed of writing would rise by 15%. Follow these steps to write ROMS to Flash cart.

Step1: If a GBA cart is inserted and push the Voltage switch to the uper side,select "GBA " in the "Working Mode"，if a Flash Boy GBC cart is inserted，push the switch to “GBC Mode”，and the “GBC LED” would flash up ;or push the switch to “GBA Mode” and the “GBA LED” would flash up.



Step2: Click "Cart" in the menu and "specify cart info"，for the Flash Boy GBC cartridge，select “Flash Cart” in drop down list of

"Cartridge Type", and then select the "Flash chip" to"2MB AM29F016B",just like the photo shows above.For GBA flash cart,please select the correspondent Flash chip before writing，then tick"Chip Erase" and then click "Apply" button.

Step3: Click "Cart menu" then "Select ROM file to write",choose the ROM file you want to write and then the writing process would started automatically.

List of Supported Flash Chip

GBA	GBC
MSP55LV128	Flash Boy Cart
MSP55LV128M	AM29F010B
29GL128EHMC	SST39SF010A
29LV128DTMC	SST39SF040
256M29EWH	AT49F040
M36L0R706	ES29LV160
256L30B	AM29LV160DB
28F256L03B	29LV160CTTC
MX29LV320	AM29F016B
29GL256EHMC	MBM29F033C
	256M29
	M29W640

5. Troubleshooting

1. After clicking the "Cart info" button, the "logo check" is failed,what can i do to tackle with this ?

Solution :Unplug the cart and clean the connecting finger，ensure that the Mode switch is pushed to the correct side and then connect the device to PC again and restart the software（*For not working cartridge，logo check would always failed，so please check your cart status first*）

2. Can i write ROMS to original cartridge ?

Solution：It's not possible yet，as the original cartridge do NOT have Flash chip inside，in most cases，original cartridge have a ROM Chip only.

3.If i meet some problems and can not find solutions in this manual，what can i do ?

Solution :Please email us with your problems，if you want to buy our products，just click the help menu，"view our website".

Email: leikaiyaoming@ruc.edu.cn

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